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ABSTRACT

Since 1977, Indiana University--Purdue University at Indianapolis, Columbus Campus has been exploring the potential for offering a nursing program under the aegis of the the Indiana University School of Nursing. In May 1984, a study was conducted to determine community support for the development of a major nursing component for a Licensed Practical Nurse (LPN) to Registered Nurse (RN) mobility option for an Associate Degree Nursing (ADN) program. A total of 395 questionnaires were mailed to Directors of Nursing at 14 nursing homes and 11 hospitals located in central Indiana and were distributed by the Directors to all LPN's or newly graduated practical nurses in their facilities. The questionnaires solicited information regarding personal characteristics, LPN school information, additional college work beyond the LPN, plans for obtaining an RN, college courses completed, interest in challenge courses and advanced placement, program scheduling preferences, and willingness to enroll in a program that would be completed partially in Columbus and partially in Indianapolis. Study findings, based on responses from 218 nurses, indicated that: (1) 44.5% of the respondents planned to go on for the RN degree, 11.8% did not plan to pursue this degree, and 43.6% were undecided; (2) 54.9% indicated they would attend the LPN to ADN program in Columbus and Indianapolis; and (3) the modal sample member was a licensed LPN, over 40, female, married, Caucasian, and had completed no college work beyond the LPN. The survey instrument is appended. (AYC)

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THE DEMAND FOR ASSOCIATE DEGREE NURSING EDUCATION IN CENTRAL INDIANA: A STUDY OF THE PERSONAL, ACADEMIC, AND PROFESSIONAL CHARACTERISTICS OF LICENSED PRACTICAL NURSES

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A Report to Indiana University--Purdue University at Indianapolis, Columbus Campus.

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INTRODUCTION

Since 1977 IUPUI Columbus has been exploring the potential for a nursing program to be offered in Columbus under the aegis of the Indiana University School of Nursing. The impetus for establishing a nursing program came from the community. At the time of the initial meetings, local health care facilities were experiencing great difficulty in recruiting and retaining registered nurses. Sufficient licensed practical nurses were available as a result of the practical nursing program at the Indiana Vocational Technical College in Columbus which graduates two classes each year.

At the time of the 1977 meetings with local health agencies, IUPUI Columbus was able to offer a limited number of support courses for associate and baccalaureate students in the social sciences and english. Students preparing for the baccalaureate nursing program could complete the chemistry requirement but these students were unable to obtain the other science requirements. The students preparing for the associate degree nursing program were unable to obtain any of the science requirements. In order for a nursing program to be established in

Columbus through IUPUI additional physical facilities would be essential.

During the 1977-81 period the administration, faculty and Advisory Board at IUPUI continued to study the educational programs needed in the Columbus area, the faculty required to implement these programs, and the additional physical facilities required to establish needed programs. A manpower study was undertaken in cooperation with Bartholomew County Consolidated School Corporation and the Indiana Vocational Technical College (Ivy Tech) (CREADA STUDY, 1980). The need for a nursing program leading to an associate degree in nursing was still apparent in the study of registered nurse personnel needs in the area. At the same time, a study was made of the clinical facilities in the area to determine if students could obtain the required nursing courses in Columbus. A survey of hospitals to determine the demand for registered nurses was completed. The required classroom and laboratory facilities and the faculty needed to initiate a nursing program were discussed with the administration of the Indiana University School of Nursing.

From 1981-83 the IUPUI Columbus administration and Advisory Board in cooperation with community leaders explored obtaining physical facilities for increasing educational opportunities through IUPUI Columbus. Obtaining the necessary laboratory facilities for science, nursing and technology programs was the primary focus of the effort to obtain additional physical facilities. A successful fund drive, the gift of the current building housing IUPUI Columbus and the appropriation of funds for an addition to the current building during the 1984 session of the Indiana General Assembly brought to fruition the planned construction of laboratory facilities at the campus.

Communication was maintained with the administration for the Indiana

University School of Nursing during the planning process. The Dean of the School of Nursing, Dr. Elizabeth Grossman, reaffirmed the willingness of the School of Nursing "to extend the Associate Degree in Nursing Program to Columbus in a manner consistent with statewide mission of the Indiana University School of Nursing (Memo to Dr. Paul Bippen, December 17, 1982). As suggested by Dean Grossman, meetings were held with Dr. Margaret Applegate, Associate Dean for the Associate of Science in Nursing Degree Program and other key persons in the School of Nursing in planning for the physical facility and faculty required to support the nursing program.

The changes which have occurred in the School of Nursing in becoming a systemwide program within the Indiana University structure along with the changes which have occurred within the health care delivery system required a re-evaluation of the type of nursing program to be extended to Columbus. The proposal made to Columbus by the School of Nursing was the development of the nursing major component for an LPN to RN mobility option for an ADN degree program. This option is designed to provide an opportunity for LPNs to:

1. Increase their knowledge base both in scope and depth in the practice of nursing as a registered nurse;
2. Assume more independence in nursing care with expanded knowledge and practice in the nursing process; and,
3. Advance within nursing both in the clinical setting and in nursing education.

The School of Nursing proposal included the assumption that "Columbus has or will conduct a thorough feasibility study which indicates community based support for this program..." (Proposal to Dr. Paul Bippen

from Dr. Margaret Applegate). One component of this feasibility was to determine the support for this program among the potential LPN pool of students for the program and an adequate number of LPNs in the community and surrounding area who would be able to meet the admission criteria for the associate of science in nursing program. According to assumptions the LPN pool should be sufficient to produce 30 graduates within three years of the initiation of the program.

The program includes a challenge option which allows the LPN to challenge the beginning nursing major didactic and clinical courses for advanced placement in the associate degree program. At the completion of the successful challenge the LPN students enter a six week transition course to prepare them to enter the second year of the program. For IUPUI Columbus to initiate the program, 10 LPNs would need to be ready to enter the second year of the program in the fall semester 1986.

The purpose of this survey was to determine the potential pool of LPNs in Columbus and the surrounding area who:

1. Support the proposed program;
2. Can meet the admission criteria for the ASN program; and,
3. Could be ready to enroll in the second year of the program in the fall of 1986.

METHODOLOGY

Self-administered questionnaires were mailed to Directors of Nursing employed at 14 nursing homes and 11 hospitals located in Central Indiana. The Directors were asked to distribute the questionnaires to licensed practical nurses or new graduate practical nurses in their facilities. The purposes of the study were explained and a self-addressed stamped envelope was provided to return the completed questionnaires. The cover letter and questionnaire appear in Appendix A. Appendix B presents the sampling frame by number of mailed and returned questionnaires. The sampling frame consists of all major hospitals and nursing homes in the Central Indiana area and, therefore, includes essentially all members of the relevant population. The number of questionnaires transmitted to nursing homes and hospitals for distribution by Directors of Nursing was significantly greater than the number of potential respondents. Our goal was simply to deliver to the Directors as many questionnaires as necessary to distribute at least one copy to each licensed practical nurse or new graduate practical nurse. Each Director did provide us with a prior estimate of the number of copies required.

A total of 395 copies of the questionnaire were distributed and 218 questionnaires were completed and returned. The return rate, the number of persons participating in the survey divided by the number of units comprising the population, in the form of a percentage, was 55.2. The actual completion rate, however, is probably higher as the number of licensed practical nurses and new graduate practical nurses is probably much smaller than the number of questionnaires delivered for distribution. Nevertheless, a return rate of 55.2 percent was considered sufficient for data analysis. Babbie (1975:265) in The Practice of Social

Research states that "a response rate of at least 50 percent is adequate for analysis and reporting." More importantly, there was no indication of response bias.

The central results are these: 94 or 44.5 percent of the licensed practical nurses and new graduate practical nurses in Central Indiana plan to go on for the RN degree. Those who do not plan to go on number 25 or 11.8 percent, and those undecided number 92 or 43.6 percent. Moreover, those who would attend an LPN to ADN program in Columbus knowing that part of the program would be in Columbus (over 50 percent) and part would require commuting to Indianapolis number 113 or 54.9 percent of Central Indiana's licensed practical nurses and new graduate practical nurses. Those who are undecided about attending an LPN to ADN program in Columbus number 59 or 28.6 percent. Detailed analyses of those who plan to go on for their RN degree and those who plan to attend an LPN to ADN program in Columbus are summarized in Tables 1-17. Please be reminded that cases containing missing values are excluded from the calculation of all frequencies and statistics. Also, percentages that do not total correctly are due to rounding error.

FINDINGS

Table 1 shows personal, professional, and academic characteristics of the researched LPN group of 216. The modal sample member had the following significant background characteristics: licensed LPN, over 40 years of age, female, married, caucasian, high school education, LPN school education, and no college work beyond LPN courses. The modal study member would take advantage of an opportunity to challenge courses in an ADN program for advanced standing, pursue advanced placement credit opportunites in basic skills areas, and work in a work-study program while going to school on a daily schedule, Monday thru Friday. Table 2 describes the 94 sample members who plan to go on for the RN degree. The modal prospective RN student is female, aged 26-30, married, caucasian, possesses a high school diploma, and no college credits beyond LPN courses. The modal prospective RN would challenge courses in an ADN program for advanced standing, and participate in a work-study program while attending school as a part-time student. Of the respondents who plan to obtain the RN degree, 76 or 81.7 percent would attend an LPN to ADN program in Columbus. Table 3 gives the background characteristics of 113 respondents who would attend an LPN to ADN program in Columbus. The modal respondent is female, married, caucasian, and a high school graduate with no college credits beyond LPN courses. The modal Columbus ADN student would challenge courses for advanced standing, work in a work-study plan while going to school part-time, and plans to go on for the RN degree. Table 4 shows the courses taken in LPN school in relation to plans to go on for the RN degree. Of 210 respondents to the two items, those who plan to go on for the RN degree number 93. Of these 93 respondents, those who have taken Anatomy in LPN school number 86, 58

have taken physiology, 11 have taken microbiology, 18 have taken psychology, 13 have taken sociology, 5 have taken english composition, and 7 have taken none of these courses. Table 5 shows plans to attend an LPN to ADN program in Columbus in relation to courses completed in LPN school. Of 112 respondents who would attend an ADN program in Columbus, those who have completed the following courses in LPN school appear in parentheses: anatomy (98), physiology (73), microbiology (20), psychology (29), sociology (23), and english composition (6). Table 6 shows plans to go on for the RN degree in relation to courses completed in college. Those who plan to obtain the RN degree number 92. Of these 92, those who have completed anatomy in college number 22, physiology 14, microbiology 10, psychology 41, sociology 26, and english composition 36. Table 7 shows courses completed in college by plans to attend an LPN to ADN program in Columbus. Of 110 who would attend an ADN program in Columbus, 21 have taken anatomy in college, 13 have taken physiology, 11 have taken microbiology, 39 have taken psychology, 26 have taken sociology, and 33 have taken english composition. Table 8 shows plans to attend an LPN to ADN program in Columbus by plans to take advanced placement credit examinations. Of 112 who would attend an ADN program in Columbus, 83 would take exams in basic skills areas, 54 in course theory, 28 in all RN skills, 32 in all first year theory, 62 in anything available, and 41 in support courses. Table 9 shows plans to attend an LPN to ADN program in Columbus and preferred schedule. Of 113 who would attend a Columbus campus ADN program, the majority of 94 would prefer a Monday thru Friday schedule, day or night courses. Table 10 shows plans to attend an ADN program in Columbus and plans to go on for the RN degree. Of 113 who would attend an LPN to ADN program in Columbus, 76 plan to go on for the

RN degree. These 76 are drawn from a total of 93 who plan to go for the RN. Table 11 shows plans to attend an LPN to ADN program in Columbus by additional college work beyond LPN courses. Of 111 who would attend a Columbus ADN program, 78 have earned ten college credits or less beyond LPN courses. Table 12 shows plans to attend an LPN to ADN program in Columbus by plans to attend RN school full- or part-time. Of 113 who would enroll in an ADN program in Columbus, 37 would attend RN school full-time, 47 would attend part-time, and 28 are undecided. Table 13 shows plans to attend an LPN to ADN program in Columbus by need to work while going to RN school. Of 113 who would attend an LPN to ADN program in Columbus, 84 would need to work, 5 would not need to work, and 23 are undecided. Table 14 shows plans to attend an ADN program in Columbus by opportunity to pursue advanced standing. Of 111 who would attend an LPN to ADN program in Columbus, 89 would challenge courses for advanced standing, 2 would not, and 20 are undecided. Table 15 shows plans to attend an LPN to ADN program in Columbus by interest in a work-study program. Of 111 who plan to attend an ADN program in Columbus, 88 would be interested in a work-study plan. Table 16 shows those who plan to go on for the RN degree by age of college course credit. The majority of respondents who plan to obtain the RN degree have not completed any of the courses. Those who have completed anatomy during the past five years number 21, those who have completed physiology in the past five years number 12, microbiology 7, psychology 27, sociology 18, and english composition 21. Table 17 shows those who plan to attend an LPN to ADN program in Columbus and age of college course credit. Once again, the majority of respondents who would attend an ADN program in Columbus have not completed any of the courses. Those who have completed anatomy during

the past five years number 17, physiology 10, microbiology 8, psychology 26, sociology 18, and english composition 21.

Table 1. Sample characteristics (N = 216).

VARIABLE	FREQUENCY	PCT OF CASES
1. Age		
a. 17-20	0	0.0
b. 21-25	30	14.2
c. 26-30	44	20.9
d. 31-35	42	19.9
e. 36-40	37	17.5
f. Over 40	58	27.5
2. Sex		
a. Male	6	2.8
b. Female	205	97.2
3. Marital Status		
a. Married	139	66.2
b. Not married	71	33.8
4. Ethnicity		
a. Caucasian	207	98.1
b. Black American	2	0.9
c. Asian American	0	0.0
d. Latin American	0	0.0
e. American Indian	0	0.0
f. Pacific Islander	0	0.0
g. Other	2	0.9
5. Dependent children at home		
a. Yes	125	59.5
b. No	83	39.5
6. Education		
a. High School	180	86.1
b. GED certificate	27	12.9
c. Neither	2	1.0
7. LPN school information		
a. Graduate	152	73.4
b. Student	6	2.9
c. Licensed LPN	170	82.1
8. College beyond LPN		
a. None	134	64.1
b. 0-10 credits	29	13.9
c. 11-20 credits	25	12.0
d. 21-30 credits	6	2.9
e. Over 30 credits	15	7.2

Table 1. Continuation

9. College degrees		
a. Associate	7	3.4
b. Baccalaureate	1	0.5
c. Other	14	6.8
d. None	183	88.8
10. Certificates		
a. Yes	77	37.9
b. No	126	62.1
11. Qualified to give medication		
a. QMA	9	4.3
b. Part of LPN program	121	58.2
c. Special course	118	56.7
d. Other	10	4.8
e. Not qualified	3	1.4
12. Advanced standing opportunity		
a. Yes	135	65.2
b. No	17	8.2
c. Undecided	53	25.6
13. Advanced placement credit exams		
a. Basic skills	131	67.5
b. Course theory	82	42.3
c. Skills in RN	47	24.2
d. Theory in first year	49	25.3
e. Anything available	101	52.1
f. Support courses	65	33.5
g. All RN	32	16.5
14. Work study		
a. Yes	141	68.4
b. No	29	14.1
c. Undecided	35	17.0
15. School schedule		
a. Days M-F	111	56.1
b. Days and weekends	11	5.6
c. Nights M-F	50	25.3
d. Nights and weekends	4	2.0
e. Best nights and weekends	6	3.0
f. Combination	28	14.1
g. Does not matter	27	13.6

Table 2. Characteristics of respondents who plan to go on for their RN (N = 94).

VARIABLE	FREQUENCY	PCT OF CASES
1. Age		
a. 17-20	0	0.0
b. 21-25	17	18.1
c. 26-30	26	27.7
d. 31-35	25	26.6
e. 36-40	11	11.7
f. Over 40	15	16.0
2. Sex		
a. Male	0	0.0
b. Female	94	100.0
3. Marital Status		
a. Married	58	62.4
b. Not married	35	37.6
4. Ethnicity		
a. Caucasian	93	98.9
b. Black American	1	1.1
5. Dependent children at home		
a. Yes	55	58.5
b. No	38	40.4
6. Education		
a. High School	82	88.2
b. GED certificate	11	11.8
c. Neither	0	0.0
7. College beyond LPN		
a. None	43	45.7
b. 0-10 credits	20	21.3
c. 11-20 credits	16	17.0
d. 21-30 credits	2	2.1
e. Over 30 credits	13	13.8
8. Certificates		
a. Yes	31	34.1
b. No	60	65.9
9. Advanced standing opportunity		
a. Yes	84	91.3
b. No	1	1.1
c. Undecided	7	7.6

Table 2. Continuation

10. Workstudy		
a. Yes	72	78.3
b. No	7	7.6
c. Undecided	13	14.1
11. Full- or part-time RN student		
a. Full-time	34	36.6
b. Part-time	41	44.1
c. Undecided	18	19.4
12. Work while attending RN school		
a. Yes	69	74.2
b. No	5	5.4
c. Undecided	19	20.4
13. Attend LPN to ADN program in Columbus		
a. Yes	76	81.7
b. No	6	6.5
c. Undecided	11	11.8

Table 3. Characteristics of respondents who would attend LPN to ADN program in Columbus (N = 113).

VARIABLE	FREQUENCY	PCT OF CASES
1. Age		
a. 17-20	0	0.0
b. 21-25	21	18.6
c. 26-30	24	21.2
d. 31-35	24	21.2
e. 36-40	20	17.7
f. Over 40	24	21.2
2. Sex		
a. Male	0	0.0
b. Female	113	100.0
3. Marital Status		
a. Married	69	61.6
b. Not married	43	38.4
4. Ethnicity		
a. Caucasian	112	99.1
b. Black American	1	0.9
5. Dependent children at home		
a. Yes	65	57.5
b. No	47	41.6
6. Education		
a. High School	98	87.5
b. GED certificate	12	10.7
c. Neither	2	1.8
7. College beyond LPN		
a. None	60	54.1
b. 0-10 credits	18	16.2
c. 11-20 credits	21	18.9
d. 21-30 credits	2	1.8
e. Over 30 credits	10	9.0
8. Certificates		
a. Yes	42	38.9
b. No	66	61.1
9. Advanced standing opportunity		
a. Yes	89	80.2
b. No	2	1.8
c. Undecided	20	18.0

Table 3. Continuation

10. Workstudy		
a. Yes	88	79.3
b. No	6	5.4
c. Undecided	17	15.3
11. Full- or part-time RN student		
a. Full-time	37	32.7
b. Part-time	47	41.6
c. Undecided	28	24.8
d. Do not plan to go on	1	0.9
12. Work while attending RN school		
a. Yes	84	74.3
b. No	5	4.4
c. Undecided	23	20.4
d. Do not plan to go on	1	0.9
13. Plan to go for RN		
a. Yes	76	67.3
b. No	2	1.8
c. Undecided	35	31.0

Table 4. Plan to go for RN by courses in LPN school.

Courses in LPN School	Plan to go for RN: Yes	No	Undecided	Total	(Pct of Cases)
Anatomy	86	16	77	179	(85.2)
Physiology	58	8	48	114	(54.3)
Microbiology	11	1	15	27	(12.9)
Psychology	18	4	27	49	(23.3)
Sociology	13	1	17	31	(14.8)
English Composition	5	0	3	8	(3.8)
None	7	8	13	28	(13.3)
Total	93 (44.3)	25 (11.9)	92 (43.8)	210 (100.0)	

Table 5. Plan to attend LPN to ADN in Columbus by courses in LPN school

Courses in LPN School	LPN to ADN in Columbus: Yes	No	Undecided	Total	(Pct of Cases)
Anatomy	98	29	49	176	(85.9)
Physiology	73	18	20	111	(54.1)
Microbiology	20	2	5	27	(13.2)
Psychology	29	7	13	49	(23.9)
Sociology	23	3	5	31	(15.1)
English Composition	6	1	1	8	(3.9)
None	13	4	10	27	(13.2)
Total	112 (54.6)	34 (16.6)	59 (28.8)	205 (100.0)	

Table 6. Plan to go for RN by courses in college.

Courses in College	Plan to go for RN: Yes	No	Undecided	Total	(Pct of Cases)
Anatomy	22	2	4	28	(13.7)
Physiology	14	1	2	17	(8.3)
Microbiology	10	1	1	12	(5.9)
Psychology	41	2	14	57	(27.8)
Sociology	26	3	8	37	(18.0)
English Composition	36	5	12	53	(25.9)
None	43	19	70	132	(64.4)
Total	92 (44.9)	24 (11.7)	89 (43.4)	205 (100.0)	

Table 7. Plan to attend LPN to ADN in Columbus by courses in college.

Courses in College	LPN to ADN in Columbus: Yes	No	Undecided	Total	(Pct of Cases)
Anatomy	21	5	2	28	(13.9)
Physiology	13	3	1	17	(8.5)
Microbiology	11	1	0	12	(6.0)
Psychology	39	6	11	56	(27.9)
Sociology	26	5	6	37	(18.4)
English Composition	33	10	9	52	(25.9)
None	62	24	43	129	(64.2)
Total	110 (54.7)	34 (16.9)	57 (28.4)	201 (100.0)	

Table 8. Plan to attend LPN to ADN in Columbus by Advanced placement credit examinations.

	LPN to ADN in Columbus				
EXAMS	Yes	No	Undecided	Total	(PCT of Cases)
Basic Skills	83	15	32	130	(67.4)
Course Theory	54	6	22	82	(42.5)
Skills in RN	28	6	13	47	(24.4)
Theory in first Year	32	4	13	49	(25.4)
Anything Available	62	15	24	101	(52.3)
Support Courses	41	8	15	64	(33.2)
All RN courses	17	2	12	31	(16.1)
Total	112 (58.0)	25 (13.0)	56 (29.0)	193 (100.0)	

Table 9. Plan to attend LPN to ADN in Columbus by School Schedule.

	LPN to ADN in Columbus				
Schedule	Yes	No	Undecided	Total	(PCT of Cases)
Days M-F	67	10	34	111	(56.1)
Days & Weekends	10	0	1	11	(5.6)
Night M-F	27	7	16	50	(25.3)
Nights & Weekends	3	1	0	4	(2.0)
Nights & Weekends Best	4	1	1	6	(3.0)
Combo	19	2	7	28	(14.1)
Does not matter	14	7	6	27	(13.6)
Total	113 (57.1)	27 (13.6)	58 (29.3)	198 (100.0)	

Table 10. Plan to attend LPN to ADN in Columbus by Plan to go for RN.

Plan to go for RN	Plan to attend LPN to ADN in Columbus: Yes	No	Undecided	Total	(PCT of Cases)
Yes	76	6	11	93	(45.1)
No	2	16	3	21	(10.2)
Undecided	35	12	45	92	(44.7)
Total	113 (54.9)	34 (16.5)	59 (28.6)	206 (100.0)	

Table 11. Plan to attend LPN to ADN in Columbus by Additional college work beyond LPN.

LPN to ADN in Columbus	College beyond LPN: None	0-10	11-20	21-30	Over 30	Total (PCT of Cases)
Yes	60	18	21	2	10	111 (54.4)
No	26	0	2	2	4	34 (16.7)
Undecided	44	10	2	2	1	59 (28.9)
Total	130 (63.7)	28 (13.7)	25 (12.3)	6 (2.9)	15 (7.4)	204 (100.0)

Table 12. Plan to attend LPN to ADN in Columbus by Full- or Part-time RN Student.

LPN to ADN in Columbus	Full- or Part-time RN Student: Full-	Part-	Un-decided	No plans	Total (PCT of Cases)
Yes	37	47	28	1	113 (55.4)
No	2	12	5	15	34 (16.7)
Undecided	11	28	15	3	57 (27.9)
Total	50 (24.5)	87 (42.6)	48 (23.5)	19 (9.3)	204 (100.0)

Table 13. Plan to attend LPN to ADN in Columbus by Need to Work.

	Need to Work				
LPN to ADN in Columbus	Yes	No	Undecided	No Plans	Total PCT of Cases
Yes	84	5	23	1	113 (55.4)
No	17	1	1	15	34 (16.7)
Undecided	42	4	8	3	57 (27.9)
Total	143 (70.1)	10 (4.9)	32 (15.7)	19 (9.3)	204 (100.0)

Table 14. Plan to attend LPN to ADN in Columbus by Advanced standing opportunity.

	Advanced standing opportunity				
LPN to ADN in Columbus	Yes	No	Undecided	Other	Total PCT of Cases
Yes	89	2	20	0	111 (54.7)
No	14	10	8	1	33 (16.3)
Undecided	31	2	25	1	59 (29.1)
Total	134 (66.0)	14 (6.9)	53 (26.1)	2 (1.0)	203 (100.0)

Table 15. Plan to attend LPN to ADN in Columbus by Interest in work study plan.

	Work study plan			
LPN to ADN in Columbus	Yes	No	Undecided	Total PCT of Cases
Yes	88	6	17	111 (54.4)
No	14	15	5	34 (16.7)
Undecided	39	6	13	59 (28.9)
Total	141 (69.1)	27 (13.2)	35 (17.2)	204 (100.0)

Table 16. Respondents who plan to go on for their RN by Year of College Course Completion (N = 84).

College Course	Year of Completion 0-2 Years Ago	3-5	More than 5	Did Not Complete	Total PCT of cases
Anatomy	16 (19.8)	5 (6.2)	5 (6.2)	55 (67.9)	81 (100.0)
Physiology	10 (12.2)	2 (2.4)	4 (4.9)	66 (80.5)	82 (100.0)
Microbiology	6 (7.2)	1 (1.2)	5 (6.0)	71 (85.5)	83 (100.0)
Psychology	22 (25.3)	5 (5.7)	11 (12.6)	49 (56.3)	87 (100.0)
Sociology	13 (15.5)	5 (6.0)	9 (10.7)	57 (67.9)	84 (100.0)
English Composition	15 (17.4)	6 (7.0)	17 (19.8)	48 (55.8)	86 (100.0)

Table 17. Respondents who plan to attend LPN to ADN in Columbus by Year of College Course Completion (N = 113).

College Course	Year of Completion 0-2 Years Ago	3-5	More than 5	Did not Complete	Total PCT of cases
Anatomy	13 (13.0)	4 (4.0)	7 (7.0)	76 (76.0)	100 (100.0)
Physiology	8 (8.0)	2 (2.0)	5 (5.0)	85 (85.0)	100 (100.0)
Microbiology	6 (5.9)	2 (2.0)	6 (5.9)	87 (86.1)	101 (100.0)
Psychology	20 (19.2)	6 (5.8)	11 (10.6)	67 (64.4)	104 (100.0)
Sociology	11 (10.8)	7 (6.9)	10 (9.8)	74 (72.5)	102 (100.0)
English Composition	12 (11.7)	9 (8.7)	13 (12.6)	69 (67.0)	103 (100.0)

IUPUI COLUMBUS

2080 Bakalar Drive
Columbus, IN 47203
(812) 372-8266

May 22, 1984

APPENDIX A

Dear :

Enclosed are the questionnaires for you to distribute to licensed practical nurses or new graduate practical nurses in your facility. We appreciate your willingness to assist us in this survey.

The survey is being conducted by IUPUI Columbus as suggested by the Indiana University School of Nursing to provide data in determining the type of nursing program to be established at our campus. With the planned construction of additional facilities for our campus we will have the laboratories to support the science courses and some nursing courses required for the LPN to associate degree program.

A self-addressed envelope is provided for you to return the questionnaires as soon as you have collected all of them. We would like to complete the survey no later than the middle of June.

Sincerely,

Faye Peters
Coordinator of Continuing
Studies in Nursing

INDIANA UNIVERSITY SCHOOL OF NURSING
AT INDIANAPOLIS

ASSOCIATE OF SCIENCE IN NURSING
DEGREE PROGRAM

Survey of LPN Pool for
LPN to ADN Option

General Information

Name _____
Last First Middle

Address _____
Street City State Zip

Telephone _____ Social Security Number _____
Area Code Number

Current Place of Employment _____

Work experience as an LPN (please complete the chart beginning with your most recent experience - leave blank if you have not worked as a Licensed Practical Nurse).

Employer	Type of Unit e.g., Pediatric, Medicine, etc.	Dates

Please record your answers to the following questions on both the questionnaire and IUPUI General Coding Form.

IMPORTANT DIRECTIONS
FOR MARKING ANSWERS

. Use black lead pencil only (No. 2 or softer)

. DO NOT use ink or ballpoint pen

. Fill in the circles completely

. Erase cleanly any answer you wish to change

. Make no stray marks on the answer sheet

. Do not fold the answer sheet

. Place in envelope provided

. Return the envelope to the nursing office within 48 hours.

1. Age (circle one)

   0. 17 - 20

   1. 21 - 25

   2. 26 - 30

   3. 31 - 35

   4. 36 - 40

   5. Over 40

2. Sex (circle one)

   0. Male

   1. Female

3. Marital status (circle one)

   0. Married

   1. Not married

4. Ethnicity (circle one)

   0. Black American

   1. Caucasian

   2. Asian American

   3. Latin American

   4. American Indian

   5. Pacific Islander

   6. Other: _____

5. Dependent children at home (circle one)

   0. Yes (number: _____)

   1. No

6. Education (circle one)

   0. High School Graduate

   1. GED Certificate

   2. Did not complete high school and do not have a GED certificate

7. LPN School Information (circle all that apply)

   0. Graduate (Year of Graduation: _____)

      (name and location of school: _____)

   1. Student in LPN school

      (name and location of school: _____)

   2. Licensed as LPN

      (length of LPN program in months: _____)

8. Additional College work beyond LPN courses (circle one)

   0. None

   1. 0 - 10 college credits earned

   2. 11 - 20 college credits earned

   3. 21 - 30 college credits earned

   4. Over 30 college credits earned

9. College degrees earned (circle all that apply)

   0. Associate Degree (major: _____)

   1. Baccalaureate Degree (major: _____)

   2. Other (specify: _____)

   3. None

10. Certificates earned (circle one)

   0. Yes (name of certificate: _____)

   1. No

11. Do you plan to go on for your RN? (circle one)

   0. Yes

   1. No

   2. Undecided

12. If you plan to go on for an RN, would you like to go to school full-time or part-time? (circle one)

    0. Full-time

    1. Part-time

    2. Undecided

    3. Do not plan to go on

13. If you plan to go on for an RN, would you need to work while going to school? (circle one)

    0. Yes

    1. No

    2. Undecided

    3. Do not plan to go on

14. Which of the following courses, if any, have you completed in LPN school? (circle all that apply)

    0. Anatomy

    1. Physiology

    2. Microbiology

    3. Psychology

    4. Sociology

    5. English Composition

    6. None

15. Which of the following courses, if any, have you completed in a college other than LPN school? (circle all that apply)

    0. Anatomy

    1. Physiology

    2. Microbiology

    3. Psychology

    4. Sociology

    5. English Composition

    6. None

16. If you completed Anatomy in a college other than LPN school, when did you complete the course? (circle one)

    0. 0 - 2 years ago

    1. 3 - 5 years ago

    2. More than 5 years ago

    3. Did not complete

17. If you completed Physiology in a college other than LPN school, when did you complete the course? (circle one)

    0. 0 - 2 years ago

    1. 3 - 5 years ago

    2. More than 5 years ago

    3. Did not complete

18. If you completed Microbiology in a college other than LPN school, when did you complete the course? (circle one)

    0. 0 - 2 years ago

    1. 3 - 5 years ago

    2. More than 5 years ago

    3. Did not complete

19. If you completed Psychology in a college other than LPN school, when did you complete the course? (circle one)

    0. 0 - 2 years ago

    1. 3 - 5 years ago

    2. More than 5 years ago

    3. Did not complete

20. If you completed Sociology in a college other than LPN school, when did you complete the course? (circle one)

    0. 0 - 2 years ago

    1. 3 - 5 years ago

    2. More than 5 years ago

    3. Did not complete

21. If you completed English Composition in a college other than LPN school, when did you complete the course? (circle one)

    0. 0 - 2 years ago

    1. 3 - 5 years ago

    2. More than 5 years ago

    3. Did not complete

22. If you are qualified to give medicines, circle all that apply to you.

    0. Not qualified

    1. Qualified Medication Aide

    2. As a part of my LPN program

    3. As a special course after LPN graduation

    4. Other (specify: _____)

23. If an opportunity to challenge courses in an associate degree nursing (RN) program for advanced standing were available, would you use that opportunity? (circle one)

    0. Yes

    1. No

    2. Undecided

    3. Other (specify: _____)

24. I would be interested in an opportunity to take examinations or demonstrate my skill to receive advance placement credit in the following areas. (circle all that apply)

    0. Basic skills (bedmaking, body mechanics, vital signs, sterile dressing, etc.)

    1. Course theory as well as skills for the first semester nursing course

    2. All skills in the RN program

    3. All theory in the first year of the RN program

    4. Anything available to challenge

    5. Support courses (English, Anatomy, etc.) also

    6. I want to go on, but I want to take all the RN courses

25. I would be interested in a work study plan where I could work and go to school. (circle one)

    0. Yes

    1. No

    2. Undecided

26. I would prefer as much as possible of my schooling to be scheduled (circle all that apply)

    0. days (Monday through Friday).

    1. days (but use weekends also).

    2. evenings (Monday through Friday).

    3. evenings (but use weekends also).

    4. evenings and weekends best for me.

    5. a combination of days, evenings, and weekends.

    6. It doesn't really matter to me.

27. I would attend an LPN to ADN program in Columbus knowing that part of the program would be in Columbus (over 50%) and part would require me to commute to Indianapolis. (circle one)

    0. Yes

    1. No

    2. Undecided

28. If you plan to go on for an RN, what is the most important reason for your going on? _____

    _____

    _____

29. If you plan to go on for an RN, when would you like to begin the RN program? _____

    _____

30. If you plan to go on for an RN, what is the best possible time for you to attend school, and why? _____

    _____

    _____

    _____

THANK YOU FOR YOUR PARTICIPATION!

Appendix B. Sampling frame by number of mailed and returned questionnaires.

NURSING HOMES	NUMBER OF QUESTIONNAIRES	
	Sent	Returned
Diane Dodge, R.N. Director of Nursing Columbus Convalescent Center 2100 Midway Street P.O. Box 690 Columbus, IN 47201	20	7
Jan Dawson, R.N. Director of Nursing Columbus Nursing Home 5400 East 25th Street Columbus, IN 47201	5	0
Suzanne Connell Director of Nursing Four Seasons Home 1901 Taylor Road Columbus, IN 47201	5	5
Marsha Stillabower, R.N. Director of Nursing Miller's Merry Manor R.R. 1, Box 8 Hope, IN 47246	5	4
Donna Kreinhop Director of Nursing Ken-Joy Convalescent Home 133 Maple Street Hope, IN 47246	4	3
Jane Hayes, R.N. Director of Nursing Heritage House of Greensburg 410 Park Road Greensburg, IN 47240	11	5
Clara Oliger, R.N. Director of Nursing Greensburg Nursing Home 1420 Lincoln Street Greensburg, IN 47240	3	3
Teresa Rippinger, R.N. Director of Nursing Odd Fellows Home Greensburg, IN 47240	2	0

NURSING HOMES	NUMBER OF QUESTIONNAIRES	
	Sent	Returned
Virginia Birt, Adm. Brown County Community Care Center P.O. Box 667 Nashville, IN 47448	3	0
Brenda Wessels, R.N. Director of Nursing Jackson Park Convalescent Center 707 Jackson Park Drive P.O. Box 705 Seymour, IN 47274	9	3
Darlene Johnson Inservice Director Lutheran Home 111 West Church Avenue Seymour, IN 47274	10	8
Peggy Boulet, R.N. Director of Nursing Hoosier Christian Village 621 South Sugar Brownstown, IN 47220	7	5
Nila Collier, R.N. Director of Nursing Hoosier Hills Health Care Center P.O. Box 640 North Vernon, IN 47265	2	2
Fran Cherry, Adm. North Vernon Nursing Home 801 North Elm Street North Vernon, IN 47265	3	3

HOSPITALS	NUMBER OF QUESTIONNAIRES	
	Sent	Returned
Eileen Dean Bartholomew County Hospital 2400 East 17th Street Columbus, IN 47201	151	53
Marge Willer Assistant Director of Nursing Decatur County Hospital 720 N. Lincoln Greensburg, IN 47240	22	16
Karen Shaw, R.N. Director of Nursing Jennings Community Hospital 301 Henry Street North Vernon, IN 47265	12	10
Phyllis Flynn, R.N. Director of Nursing Jackson County Hospital 200 South Walnut Street Seymour, IN 47274	25	19
Nick James, R.N. Director of Nursing 112 Presbyterian Avenue Madison, IN 47250	27	20
Lynn Hirt, R.N. Director of Nursing Margaret Mary Community Hospital 321 Mitchell Road Batesville, IN 47006	13	8
Betty Gaffney, R.N. Inservice Director Madison State Hospital Cragmont Street Madison, IN 47250	10	8
Miriam Willey, R.N. Director of Nursing William S. Major Hospital Shelbyville, IN 46176	24	16

HOSPITALS	NUMBER OF QUESTIONNAIRES	
	Sent	Returned
Julie Broome, R.N. Director of Nursing Muscatatuck State Hospital P.O. Box 77 Butlerville, IN 47223	15	15
Sue Janowski, R.N. Quinco 2075 Lincoln Park Drive Columbus, IN 47201	1	0
Sue Ann Pflum Koala Center P.O. Box 1549 Columbus, IN 47202	6	5
TOTAL	395	218

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